TENAXON T 569 3E569

Series 3E569 · Weldable solvent-borne 2K epoxy primer for steel, zinc and aluminium

01 PRODUCT DESCRIPTION

TENAXON T 569 3E569 is a solvent-borne, two-component epoxy primer with fast drying and excellent adhesion on blast-cleaned steel, galvanised surfaces and aluminium. The primer is weldable and serves as a corrosion-protection base coat for subsequent topcoats in steel and plant construction. Thanks to its fast drying, it enables short cycle times and economical application by brush, roller and spray.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin
Hardener system	Bergolin hardener EP 05 7E569
Cleaning thinner	EP Thinner 5E403
Characteristics	Weldable · Fast drying · Good adhesion
Color shade	Red-brown (further color shades on request)
Gloss	Matt
Shelf life	Component A 12 months, component B 6 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *1	Approx. 1.40 g/cm³	Approx. 0.90 g/cm³	Approx. 1.32 g/cm³
Solid content (wt.-%) · SDS *1	Approx. 65.0 %	Approx. 31.2 %	Approx. 59.9 %
Solid content (vol.-%) · SDS *1	Approx. 43.7 %	Approx. 28.8 %	Approx. 60.8 %
Viscosity · DIN EN ISO 2555 / ISO 2431 · +20 °C	Approx. 1,000 mPas	Approx. 14 s (4 mm)	Thixotropic

*1 *Depending on color shade*

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03 APPLICATION

The following information may vary depending on the application. Please contact your direct contact person for more detailed information.

Substrate	Steel, zinc/aluminium (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. **Steel:** Surface preparation to EN ISO 12944-4. Free of weld spatter, pores, laps, burrs, grease, oils and dirt. Blast-clean to Sa 2½, mean roughness Rz approx. 50–70 µm (G or operating mix GS). **Zinc/aluminium:** Degrease, mechanically roughen or sweep-blast. Preparation of other substrates on request.
Mixing ratio	85 : 15 by weight | 3.5 : 1 by volume
Mixing	Stir both components separately and homogenise if necessary. Pour component B into the container of component A and mix with an electric stirrer for at least 3 min at max. 700 rpm. Transfer into a clean container and mix again thoroughly for approx. 1 min.
Theoretical consumption	0.1 kg/m² at 30 µm dry film thickness
Application method	Brush · Roller · Spray
Application conditions	**Air temperature** +10 °C to +30 °C **Relative humidity** max. 85 % **Dew point** min. 3 °C below object temperature Temperatures above +20 °C accelerate the reaction and curing process.
Working time[*2]	Approx. 20 h (20 l container); may vary from pot life depending on container size and ambient conditions
Recoating interval (with itself)[*2]	Min. 12 h
DRYING[*2]	
Dust-dry (TG 1)	Approx. 30 min
Fully dried (TG 7)	Approx. 12 h (50 µm WFT)
Fully cured (mech. & chem.)	Approx. 7 days
Compatible systems	Various topcoats and finish coatings (on request).

[*2] *The values refer to +20 °C and 65 % relative humidity; deviating ambient conditions may extend or shorten the times.*

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04 NOTE

This product data sheet supersedes all previously published product data sheets. The information contained herein is based on practical experience under standard conditions and assumes proper storage and processing. Substrates, materials and working conditions may vary. Therefore, no warranty or liability can be derived from the information contained in this document or from verbal consultation. It is the buyer's responsibility to verify the product's suitability for the intended use. Preliminary trials are recommended. The relevant legal regulations, the leaflets of the BG RCI and the accident prevention regulations of the responsible employers' liability insurance association must be observed. In all other respects, our General Terms and Conditions of Sale and Delivery apply.

MODIFIED BY
24.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY
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